

JP11240981

Publication Title:

RUBBER COMPOSITION FOR TIRE BEAD FILLER

Abstract:

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(A) PROBLEM TO BE SOLVED: To provide a rubber composition that is useful as a rubber material arranged to the bead of the tire, particularly a rubber composition that is useful as a bead filler with increased elasticity without damage to its fatigue resistance. SOLUTION: This rubber composition for bead fillers of tires comprises (A) 100 pts.wt. of the rubber components including 10-40 wt.% of a syndiotactic 1,2-polybutadiene-modified cis-1,4-polybutadiene and 90-60 wt.% of diene rubbers other than syndiotactic 1,2-polybutadiene-modified cis-1,4-polybutadiene rubber, (B) 3-20 pts.wt. of silica, (C) 0.5-3 pts.wt. of resorcin or a resorcinol derivative, in addition, 0.8-2.0-fold weight of hexamethylenetetramine or a melamine derivative based on the formulated resorcin or resorcin derivative and has a storage elastic modulus (E) of 8-15 MPa, when the vulcanized product is at 30 deg.C.

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